

ABSTRACT OF THE DISCLOSURE

Optical image detectors and navigation devices employing the same are provided. The optical image detector illuminates incident lights on a surface of an object to generate an image for surface morphology of the object. The optical image detector includes a light source and an incident light generator that receives lights of the light source to generate incident lights. The incident lights include at least two groups of incident lights having different incident angles with respect to the surface of the object. The navigation device employs the optical image detector. The navigation device includes a case having a lower panel. The lower panel has an opening. The optical image detector is installed in the case. The incident light generator receives lights of the light source to generate the incident lights. The incident lights are illuminated on the surface of the object through the opening.